

THE UNIVERD SHAFES OF AMERICA

Tomeer Hi-Bred International, Inc.

HIGGERS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TILLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS ARE ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, BEERS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY OR SHOW THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC PLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR CHARLES FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR CARLESTON, OR STOCKING IT FOR ANY OF THE UNITED SES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BRY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'91Y90'

In Costimonn Phocost, I have hereunto set my hand and caused the seal of the Hunt Institute Protection Office to be affixed at the City of Washington, D.C. this twenty-second day of January, in the year two thousand and nine.

Allost:

Ol-Ze

Commissioner

Plant Varioty Protection Offico Agricultural Marketing Service) We Vilseel

SOUTH STATE OF THE STATE OF THE

NAME (Please print or type)

Paul D. Koelling

CAPACITY ORTHILE DAT

Process Improvement Manager

01/25/2008

CAPACITY OR TITLE DATE

(See reverse for instructions and information collection burden statement)

#200800110

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filling, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Piant Variety Protection Office

Telephone: (301) 504-5518 FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
 U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety.

According to the Paperwork Reduction Act of 1995, an egency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, end where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisel, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA'S TARGET Center at (202) 720-2600 (voice and TDD).

To tile a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety 91Y90

Variety 91Y90 evolved from a cross made in the summer of 2000 in Minnesota with the following parentage:

Parentage = 91B53/93B47*

*93B47 is a commercial variety with the Roundup Ready® (40-3-2) gene

Variety 91Y90 is an F4-derived line which was advanced to the F4 generation by modified single-seed descent. The F4 progeny row of 91Y90 was grown in a plant row yield trial in Minnesota in the summer of 2002. Subsequently, 91Y90 has undergone five seasons of extensive testing and purification in the United States. It has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield and resistance to Roundup® branded herbicides; variety 91Y90 was assigned a commercial number.

The purification block was grown in 2005 in Minnesota and 25 sub-lines were harvested. A quarter (0.25) acre increase was grown in Chile in 2005/06. Ten (10) acres of parent seed stock (foundation seed equivalent) were grown in the summer of 2006, and approximately 295 acres of seed stock and production seed were grown in the summer of 2007.

Exhibit B. Statement of Distinctness

Soybean Variety 91Y90

Variety 91Y90 is most similar to Pioneer Hi-Bred Int'l variety 91M92. Both varieties have white flowers, light tawny pubescence, yellow seed, brown pod wall, and resistance to Roundup® branded herbicides. However, 91Y90 has brown hila; whereas 91M92 has black hila. Additionally the gene for resistance to *Phytophthora megasperma* as governed by the Rps1k gene is absent in 91Y90 and present in 91M92

REPRODUCE LOCALLY. Include form number and date on all reproductions.

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U.S. DEPARTMENT OF AGRICULTURE

EXHIBIT

AGRICULTURAL MARKETING SERVICE **SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE** BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY Soyhean (Glycine max (L.) Merr)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMEN		VARIETY NAME	
Pioneer Hi-Bred International, Inc.	XB19E0	7	9	1Y90
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country 7300 N.W. 62nd Avenue, P.O. Box 1004, Joh	ry)		FOR OFFICIAL US	E ONLY
PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal Place a zero in the first box (e.g., 0 9 9 or 0 9 should be based on a minimum of 100 plants. Comparate any recognized color standard may be used to determine all questions for your variety; lack of response may delay) when number is either sive data should be determing plant colors; designate sy	99 or less or 9 or less respective ned from varieties entered in the stem used		
A. MORPHOLOGY: Seed Shape: 1 = Spherical (LW, L/T, and T/W ratios ≤1.2)	2 = Sphe	│	$\bigoplus_{w} \big\ \bigoplus_{T} \big $	
(LW, L/T, and T/W ratios ≤1.2)3 = Elongate(L/W ratios > 1.2; T/W ratios ≤ 1.2)	4 = Elong	os> 1.2; L/T ratios ≤ 1.2) pate-Flattened s ≥ 1.2; L/W ratios ≥ 1.2)		
Seed Coat Color: * 1 1 = Yellow 2 = Green 3 = Brown	own 4 = Black	5 = Other (Please speci	ify)	
Seed Coat Luster: 1 1 = Dull 2 = Shiny				
Seed Size: * 15.4 grams/100 seeds (rounded to Hilum Color:	the nearest decimal ((00. 0))		
* 3 1 = Buff 2 = Yellow 3 = Bro 7 = Other (Please specify)	own 4 = Gray	5 = Imperfect Black	6 = Black	

A. MORPHOLOGY: (continued)

Cotyledon Color:

* 1 1 = Yellow

2 = Green

Seed Protein Peroxidase Activity:

2 1 = Low

2 = Hiah

Hypocotyl Color:

* 1 1 = Green

2 = Green with Bronze ('Evans' or 'Davis') Band below cotyledons

('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons

4 = Dark Purple extending to unifoliolate leaves ('Hodgson'. 'Coker', or 'Hampton 266A')

Leaf Shape:

3 | 1 = Lanceolate

2 = Oval 3 = Ovate

4 = Other (Please specify)

('Beeson' or 'Pickett 71')

Flower Color:

* 1 1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

2 1 = Tan

2 = Brown

3 = Black

Pubescence Color:

* 3 1 = Gray

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

* 3 | 1 = Determinate

2 = Semi-determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

1 = 0006 = III

2 = 007 = IV

3 = 08 = V

4 = 19 = VI 5 = II

11 = VIII

12 = 1

13 = X

14 = XI

10 = VII15 = XII

Maturity Subgroup:

Please enter a value from 0-9

B. DISEASE REACTIONS: 0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

NOTE: Failure to supply information for at least 5 of the following disease reactions will result in significant delay in the examination process. Items denoted by and asterisk are the disease reactions most useful in the examination process.

Bacterial

- Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

0

- 1 Brown Spot (Septoria glycines Hemmi)
- Frogeye Leaf Spot (Cercospora sojina Hara)

race 1

- race 3
- 0 race 5
- 0 race 7
- race 2 race 4
- () | race 6

Important: Any other races tested (Please specify)

3.	DIS	SEASE REA	CT	'IONS: (conti	inue	ed)								
	0	Target Spot (Cor	ynespora cass	iicol	a (Berk & Cur	+	Vei)						
	0] , ,		,			•	νου) pa (Naum.) Syc	4 ⊏ √	(Gäum)				
	0	1		(Microsphaera			,	a (Maami) Oye	4,	Caamy				
	0	i I		•				na mala a mila i m.). 10/	<u></u>	maa:1				
*	=	1		•		, -		namberlain) W.		- -	111			
*	0		-	•		•	•	acc. var. cauliv						
•	1				•	· .		: Ell.) (Sacc. va			Wet	nm.)		
	0	Purple Seed	Stai	n (C <i>ercospora</i>	kiku	<i>ichii</i> (T. Matsu	. & ¯	Fomoyasu) Ga	rder	ner)				
	1	Rhizoctonia F	≀oot	Rot (Rhizocto	nia :	solani Kühn)						•		
	0	Asian Soybea	ın R	lust (<i>Phakospo</i>	ora p	<i>achyrhizi</i> Syd	N. (a	a.k.a. <i>Phakosp</i>	ora	pachyrhizia Sy	/dw.)))		
	0	Other (Pl	eas	e specify)	*							•		
spe	cify	the gene(s) co	ding	g for reaction to	o Ph	ytophthora Ro	ot F	Rot.			÷	•		
	0	Rps1 (Williams)	0	Rps1-c (Arksoy)	0	Rps1-k (Kingwa)	0	Rps3-b (Pl 172.901)	0	Rps5 (Pl 91.160)		? <i>ps?</i> (Nezumisaya, (OX939, OX	940
	0	<i>Rps1-a</i> (Mukden)	0	<i>Rps1-d</i> (PI 103.091)	0	Rps2 (CNS)	0	Rps3-c (Pl 340.046)	0	Rps6 (Altona)			·	
	0	<i>Rps1-b</i> (Sanga)	0	Rps1-e (Pl 172.907)	0	Rps3-a (Pl 171.442)	0	Rps4 (Pl 86.050)	0	<i>Rps7</i> (Harosoy)				
Ph	vton	hthora Root R	ot (/	Phytophthora s	oiae	e (Kaufmann &	Ge	rdemann))						
• • •		race 1		race 9	0	race 17	0	race 25	0	race 32	n	race 39		
	_	race 2	亓	race 10	0	race 18	0	race 26	0	race 33		race 40		
		race 3		race 11	一	race 19	0	race 27	0	race 34		race 41		
	Ħ			race 12			0	race 28		race 35	0	i		
		race 4			=	race 20)	0		0	1		
	뻐	race 5		race 13	0	race 21	0	race 29	0	race 36		race 43		
	H	race 6	_	race 14	0	race 22	0	race 30	0	race 37	0	race 44		
		race 7		race 15		race 23	0	race 31	ш.	race 38	٠	race 45		
:	0	race 8	0	race 16	0	race 24	0	Important: An	ıy ot	her races test	ed (F	Please specify)		
	1	Bud Blight (To	bac	co Ringspot V	irus'	k								
	1			ean Yellow Mo										
*			•	Cowpea Chlor										
				,		viius)								
*		_		Pod Mottle Vir				·		•				
ï	1	Seed Mottle (soyı	oean Mosaic V	rrus)								
Nei	mato	ode												
Soy	/bea	ın Cyst Nemat	ode	(Heterodera g	lycii	nes Ichinohe)								

0 race 1	0 race 4	0 race 9
0 race 2	0 race 5	0 race 14
	0	

0 Important: Any other races tested (Please specify) ___ **0** race 3 0 race 6

В.	DISEASE REACTIONS: (continued)	
	Lance Nematode (<i>Hoplolaimus columbus</i> Sher)	
	Southern Root Knot Nematode (<i>Meliodogyne incognita</i> (Kofoid & White) Chitwood)	
	Northern Root Knot Nematode (<i>Meliodogyne hapla</i> Chitwood)	
	Peanut Root Knot Nematode (<i>Meliodogyne arenaria</i> (Neal) Chitwood)	
	Reniform Nematode (<i>Rotylenchus reniformus</i> Linwood & Olivera)	
	Javanese Nematode (<i>Meliodogyne javanica</i> (Treub) Chitwood)	
	0 Important: Other Nematodes tested (Please specify)	
C.	PHYSIOLOGICAL RESPONSES: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant	
	0 Iron Chlorosis on Calcareous Soil	
	0 Phosphorus 0 Important: Other (Please specify)	
	0 Boron	
	0 Aluminum	
	Salt	
	Orought	
	<u>o</u>	•••
D.	INSECT REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant	
	0 Mexican Bean Beetle (<i>Epilachna varivestis</i> Mulsant)	
	(
[O Potato Leaf Hopper (<i>Empoasca fabae</i> (Harris)) Important: Other (Please specify)	
Į	1 Important: Other (Please specify)	
E.	HERBICIDE REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant	
	0 Metribuzin	
	0 Bentazone	
	1 Sulfonylurea	
*	2 Glyphosate	
	1 Glufosinate	
	I) Pendimethalin	
1.	Pendimethalin Important: Other (Please specify)	

F. TRANSGENIC COMPOSITION:

Has the development of the subject variety included the insertion of genetic material from an organism other than a soybean, or, the removal of genetic material from the application variety?

If yes, please complete the following information requests*. Use additional pages if necessary.

✓ Yes

No

- 1. Please state the vector's name:
- 2. Please state the vector components:
- 3. Please describe the genetic material successfully transferred into the subject variety:
- 4. Please describe the insertion protocol:
- * A literature citation(s) explaining the four information requests above may be an acceptable alternative to completion of the "Transgenic Composition" portion of this form.

G. BIOCHEMICAL MARKERS:

Please describe any additional genetic and/or biochemical information which you believe will be helpful in further describing the subject variety here (e.g., Single Nucleotide Polymorphisms (SNPs), Simple Sequence Repeats (SSRs), Restriction Fragment Length Polymorphisms (RFLPs), Isozyme characterization, etc.). Use additional pages if necessary.

H. STATISTICAL DATA FOR APPLICATION AND CITED MOST SIMILAR VARIETIES:

Please provide paired comparison data and appropriate statistical test (e.g. LSD. Std. error, ANOVA, Mann-Whitney *U*-test or Kruskal-Wallis Test, etc.) value (95 or > probability level).

Variety	No. of days Maturity	Plant height (cm)	% Linoleic acid	% Oleic acid	% Linolenic acid	% Other fatty acids (specify)	% Total oil	% Protein (Plant dried down to%)
Application Variety Year/Location 1								
Year/Location 2								
Cited Most Similar Variety Year/Location 1								
Year/Location 2								
LSD .05								

Exhibit C (Soybean)

I. COMMENTS:

Number 1:

The Transgenic Composition section is fully addressed in the following publication. Specific details of this vector components and insert elements are summarized in Figure 1 and Table 1 on page 1453. Padgett, S.R. et al. Development, Identification, and Characterization of a Glyphosate-Tolerant Soybean Line. 1995. Crop Science. 35:1451-1461.

Exhibit D. Additional Description of the Variety

Soybean Variety 91Y90

In Exhibit C we have identified variety 91Y90 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 91Y90 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 91Y90 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety 91Y90 is a late Group 1 variety. If Group 1 varieties are divided into tenths, the relative maturity of 91Y90 is 1.9.

 REPRODUCE LOCALLY. Include form number and edition date on a 	ull reproductions.	FORM APPROVED - OMB No. 0581-0055
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE		
	Application is required in order to de certificate is to be issued (7 U.S.C. 2	2421). The information is held
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	confidential until the certificate is iss	ued (7 U.S.C. 2426).
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
Pioneer Hi-Bred International, Inc.	OR EXPERIMENTAL NUMBER XB19E07	91Y90
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
7300 N.W. 62nd Avenue	(515) 253-2197	(515) 253-2288
P.O. Box 1004	7. PVPO NUMBER	(0.0) 200 2200
Johnston, IA 50131-1004	40000) 1 1 0
8. Does the applicant own all rights to the variety? Mark an "X" in the		L - W
9. Is the applicant (individual or company) a U.S. national or a U.S.	based company? If no, give name of o	country. YES NO
10. Is the applicant the original owner? YES	NO If no, please answer one	of the following:
a. If the original rights to variety were owned by individual(s), is		
LI YES	✓ NO If no, give name of coun	itry
b. If the original rights to variety were owned by a company(ies YES 11. Additional explanation on ownership (Trace ownership from original)	✓ NO If no, give name of count	try
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licen	sees) who meet the following criteria:	
If the rights to the variety are owned by the original breeder, that partional of a country which affords similar protection to nationals of a country which affords similar protection to nationals of a country which affords similar protection to nationals of a country which affords similar protection to nationals.		
If the rights to the variety are owned by the company which emplo nationals of a UPOV member country, or owned by nationals of a genus and species.	oyed the original breeder(s), the compar country which affords similar protection	ry must be U.S. based, owned by to nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must i	neet one of the above criteria.
The original breeder/owner may be the individual or company who di Act for definitions.	lirected the final breeding. See Section	41(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor control number. The valid OME control number for this information collection is 0581-0055 including the time for reviewing the instructions, searching existing data sources, gathering	The time required to complete this information colle	action is estimated to average 0.1 hour per response,

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ST-470-E (04-03) designed by the Plant Variety Protection Office using Word 2000

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Form Approved OMB NO 0581-0055

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Pioneer Hi-Bred International, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	TEMPORARY OR EXPERIMENTAL DESIGNATION XB19E07		
	P.O. Box 1004 Johnston, IA 50131-1004	varie 91Y90		
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY		
Paul D. Koelling Cassie J. Prochaska	7300 N.W. 62nd Avenue P.O. Box 1004 Johnston, IA 50131-1004	PVPO NUMBER # 2000 1 1 0		

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Paul D. Hoelling Signature

January 25, 2008